

### Customer Part:

#### Description

- 3.2 x 1.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model IQXC-217
- Model Issue number 3

#### Frequency Parameters

- Frequency 32.7680kHz
- Frequency Tolerance  $\pm 20.00\text{ppm}$
- Tolerance Condition @ 25°C  $\pm 5^\circ\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm}$  max in 1st year @ 25°C

#### Electrical Parameters

- Load Capacitance (CL) 7.00pF
- Shunt Capacitance (C0) 1.5pF max
- Drive Level 0.1 $\mu\text{W}$  typ, 0.5 $\mu\text{W}$  max
- ESR 70.00k $\Omega$  max

#### Environmental Parameters

- Storage Temperature Range:  $-55$  to  $125^\circ\text{C}$
- Drop: 150g dummy, 180cm drop (6 directions x 3 times) onto concrete board
- Vibration: 1.5mm amplitude, 10Hz-60Hz with cycle time 2-3 minutes in 3 directions (X, Y and Z axis) each for 2 hours

#### Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10s max

#### Compliance

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

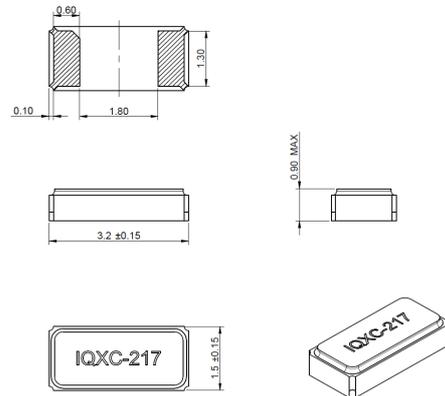
#### Packaging Details

- Tape & reel in accordance with EIA-481  
Quantities below the standard reel size to be supplied on cut tape.

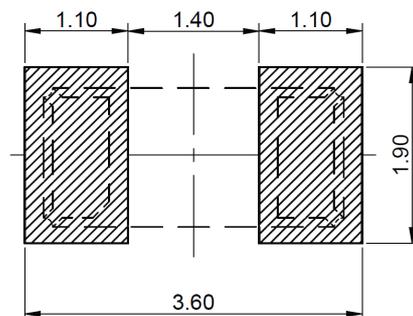
Standard Pack Quantity: 3,000



#### Outline (mm)



#### Recommended Solder Pad Layout



#### Sales Office Contact Details:

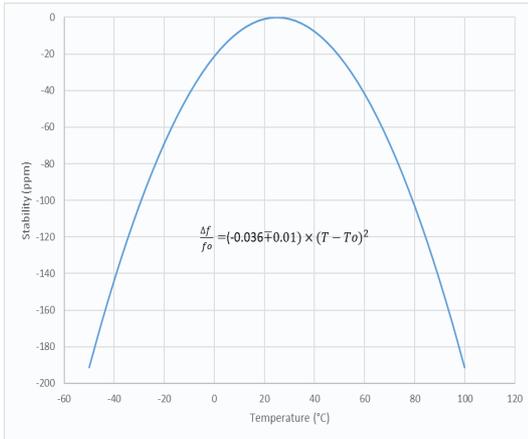
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**Customer Part:**

**Typical Frequency Stability Characteristics**



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